12 10
23 27 3
6 8 0 3
3 3

Alexander Mac Elwee jr.
815 North 45th Street
West Phila. Pa.

March 1893

"— Plants, trees, and stones
we note
Birds, insects, beasts and
many natural things."
Journal of a Naturalist.

Alex

97

over the lower part. the whole

March 27th 1893

I have been working for Wm. R. Chapman pretty steady now for about a year. We had a severe cold spell the first 3 weeks of the new year, during which time and at other leisure moments since, besides other things, mounted a number of Botanical specimens for the Club.

These consisted chiefly of specimens which had been donated to the club by the late Mr J. C. Martindale who died last January.

Those specimens were collected mostly around Phila and vicinity, chiefly from Mr Martindales boyhood home, Byberry and at periods extending from the year 1858 to 1870.

They are fair enough specimen

although they might have been better. Many of them are complete. He gave many more than we now have. but Stewardson Brown the secretary of the Club in assorting and poisoning them found many unfit for use, being eaten up with insects, and otherwise not worth the paper to mount them on. Mr Martindale also presented a very fine cabinet with the specimens. This is made in two parts. and of hard wood. The lower part contains two tiers of drawers. 3 in each tier. These are nearly 2 ft wide. about 8 inches deep. and about 2 inches ~~deeper~~ longer than the upper part that is about 18 inches.

The upper part is about 6 ft high:- that is:- when it rests on the lower part. the whole

arrange-ment is about 8 ft. high. There is four widths 12 inches wide in the clear 17 in. deep these again being devided by shelves about 5 inches apart.

Mr. Martindale had his printed order labels pasted on the edges of these shelves.

I don't think this is as good an arrangement as Dr. Bruton's or the Academy's. There being movable order boards. (Bruton's is cardboard with a narrow wood strip on the edge for the label).

He also presented Genus Covers and Species sheets.

The genus covers are of rough stiff paper, something like manilla packing paper and measure 16½ X 23¼. They are rough and liable to catch all

dust. For genus labels he had cut out the generic descriptions out of an old edition of Gray's manual and pasted them on the lower left hand corner of the sheets. Some of the members do not like this arrangement. arguing that names fluctuate and change and that when one has the identical specimens. ~~one do~~ a printed description is not required etc. I am slightly inclined to favor it. but in the meantime I'll write my generic names as is usually done. and any descriptions, notes and other information I propose, at some future date when I know more, to write on a sheet of paper and attach to the edge of the specimen sheet.

The species sheets that Mr.

Martindale presented were rather small, being nearly one inch smaller every way than the standard size. 16½ x 11½. accordingly the club purchased a quantity to suit. The paper I use and which is the same as used by the academy is the Whiting boi "Tittle linen Ledger" and costs 17 cents per lb. A ream weighs 40. lbs, total $6.80, for cutting 10 cents.

In mounting I use Le. Page's liquid Glue. This when bought is thick. and I put a little water in it, though very little, usually taking a tea-spoon and dropping the water in until of the proper consistency. I use the glue as stiff or thick as I care though not

so strong as when I brush over the plants the leaves and other parts will not drag off.

March 27. 1893

This eve. when comming home from work through the marshy hollow south of ~~the~~ Walnut St. and west of 46th Street, I found some boys fishing for tadpoles. I was not aware that one could find tadpoles thus early in the season. These I seen were of good size, having heads about ½ long, and tail twice as long. The boys caught them by dipping up a large can of water out of the stream and then pouring the water out slowly and catching the tadpoles as they appeared and putting them into another which contained their captures. One

of the boys said he was going to raise them in an aquarium.

March 27. 1893

I notice that the farmers are plowing their fields. One field I passed through to-day contained corn last year. The old stumps were being plowshed under. The corn seems to make plenty of fibrous roots. The ploughman remarked that they would probably plant the field with turnips and radishes this season.

March 30th 1893

The maples have been in flower now over two weeks. I examined some to-day. Usually the top of the trees, seem to bear the most flowers, but one particular tree which examined (at 47 & Walnut) was pretty well

laden with flowers on the low branches. On the south side of this tree is a high bank, and from this point I noticed that the lower buds were not fully opened; while those higher up (not over 5 feet about my head) were fully out. I can not account for this difference as they both have the same exposure, and one would naturally expect that being nearer the ground they might get more warmth. But every night this week the thermometer has been below or at the freezing point, and this morning there was a white hoar frost. It might be that with the cold nights retarding, and the fact that cold air is heavier than warm, than anything

to the ground or not rising more than a few feet above it; that currents of air would be circulated which would retard all vegetation within its reach.

I dissected one of those myrtle buds. I find that they contain five flowers surrounded by numerous small, roundish or ovate hairy scales, each flower had 5 sessile stamens and two pistils. Another thing I remarked was that the pistils in those lower branches were exserted and apparently ripe for the reception of pollen, while the stamens were yet immature. Would it be? that the pollen from the more developed flowers would fertilize those on the lower branches in which the pistil was

receptive. I examined buds
of several other trees ~~but~~ in
among them were a little shoot
containing about three more
when I cut the catalpa tree.
The buds evidently containing flowers
while seemed to be clustered
at the nodes.
The white poplars (the pan)
are almost ready to burst into
bloom. The cool weather
evidently factor check on these.

March 31st 1883

Have had a rainy day with
N.W. Winds. Thermometer 52°
at noon. There are many
species of weeds here, besides
Burdock, Lambs quarters, Sour grass
others. It would be a good
thing to collect such.
It certainly is not Good for
wind weather for the wheat

Plants may be found in bloom
for Calendar purposes

3/21/93

To day I was [illegible]
[illegible] to [illegible]
[illegible]

Calendar of proposed Specimens
during season of 1893

April 16. Barnyard Cty. Corema etc.?

" 23. Hard-hill bucks Co.
Hornbeam. Hellebores etc.

April 22. 52 nd St woods.
Indians (species) Hickory. Maples
Beech. Gum and other trees.

" 30

May.

May 7. Blackwood N.J. Flo. & Acteæ.

May 15. Rally [illegible]. Trillium

May 28 Cedar Brook. Gratiopus. Smithii
Jamaicensis etc.
June 4. Wawa. Affectum etc.
Collinsia see p. 3

Prune. pumilla. Rally [illegible]. fruit &
leaves of Amelanchier.

May 6 – 7. Frenchcreek falls. Clematis
verticillata. last kind just gone out
of flower when we went up there last visit.

Symplocarpus foetidus. Fol. & fr. see p. (9)
Mitella diphylla see page 22

Calender. Excursions

July.

August

August 27. Egg harbour City. Schizea

Sept. 15. Colbs creek. Lobelia amoena.
also Gentians for the Lobelia
behind J. W. Pickens. houses.

Sept. & Oct. Rockhill for
Gentians

April 1st 1873

To-day I collected specimens of Alnus! In flower.

I got them from the same clump as which I cut down sometime during the winter in the march West of 4th St and between Hemlock and Spruce.

Note Collect leaves of this also fruit. Alnus? a Betula.

April 2nd 1873 Wednesday

The weather still continues fair it has not rained since last thursday week. March 23rd / 0 days now. Had flowers been in bloom I would not have gone to church. Mr Jess was out not to-day. A Prim fellow Mr Prim Episcopalian. Rev Atkinson Liturgical and I am

going out to Mount Auburn woods for fungi and whatever flowers are coming on.

We were out to-day two weeks ago, March 19th, and found some pupae and cocoons. Of one tree, I forget which, I dug it out. I found a number of pupa under the dead bark on the south side of the tree. I also found 3 pupa on a twig of a willow. 3 or 4 at the roots of chestnut trees. Two of those last were the same kind pupa, or seem to be the same as I have dug from the same trees several years ago. very. in the open stretch of grassland below the cemetery about ½ mile south of Belmont Mass. Watt Park.

April 4th 1893

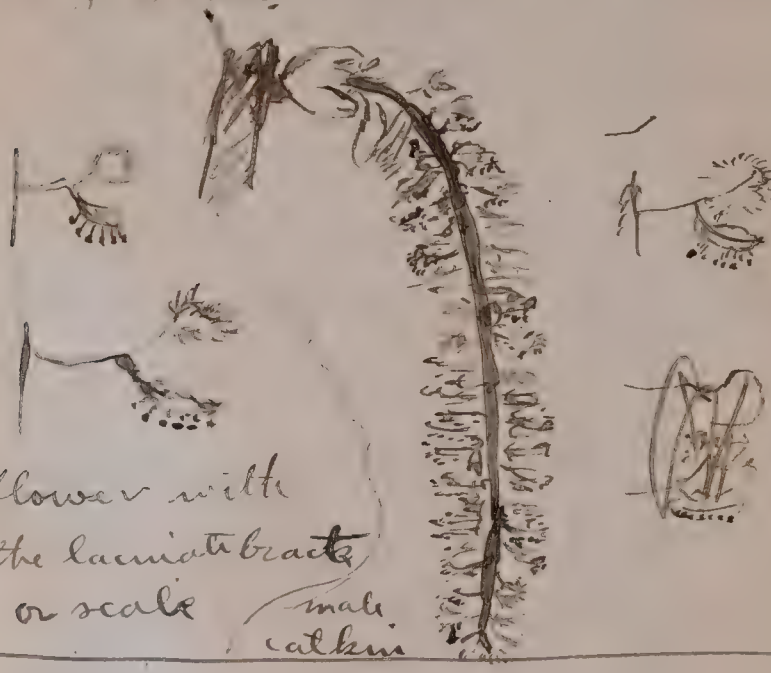
Went out last sunday but did not find much. There has been a fire in the woods and I noted that where the fire had passed over some of the plants were making growth. I noted one blood root pushing its flowers up. Also can Hydrastis will be in flower in about a week. I collected some flowers of Symplocarpus foetidus, also some Alder?

April 4th 1893

Populus alba ♂

staminate flowers. I noticed that these have a very disagreeable smell. I also note that those catkins were

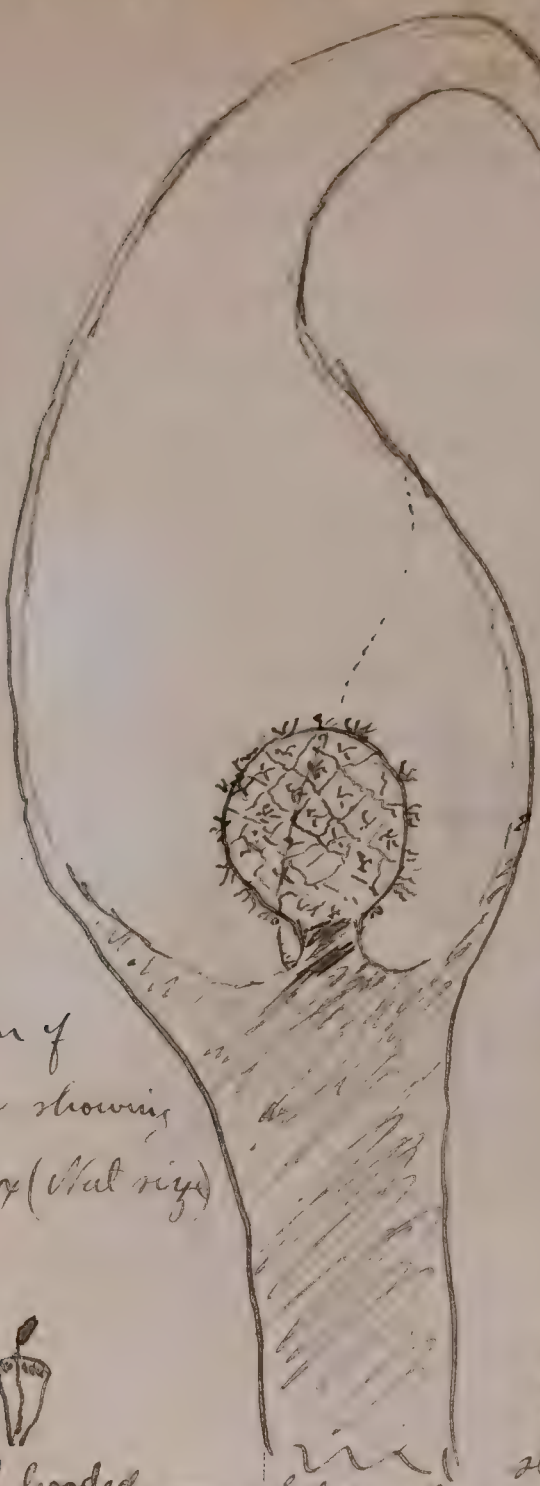
... a tip of the branch as the first to ... I took especial notice of the formation of the flower.



flower with the laciniate bract or scale

male catkin

Symplocarpus fœtidus.
Salisb.



section of flower showing spadix (Nat size)

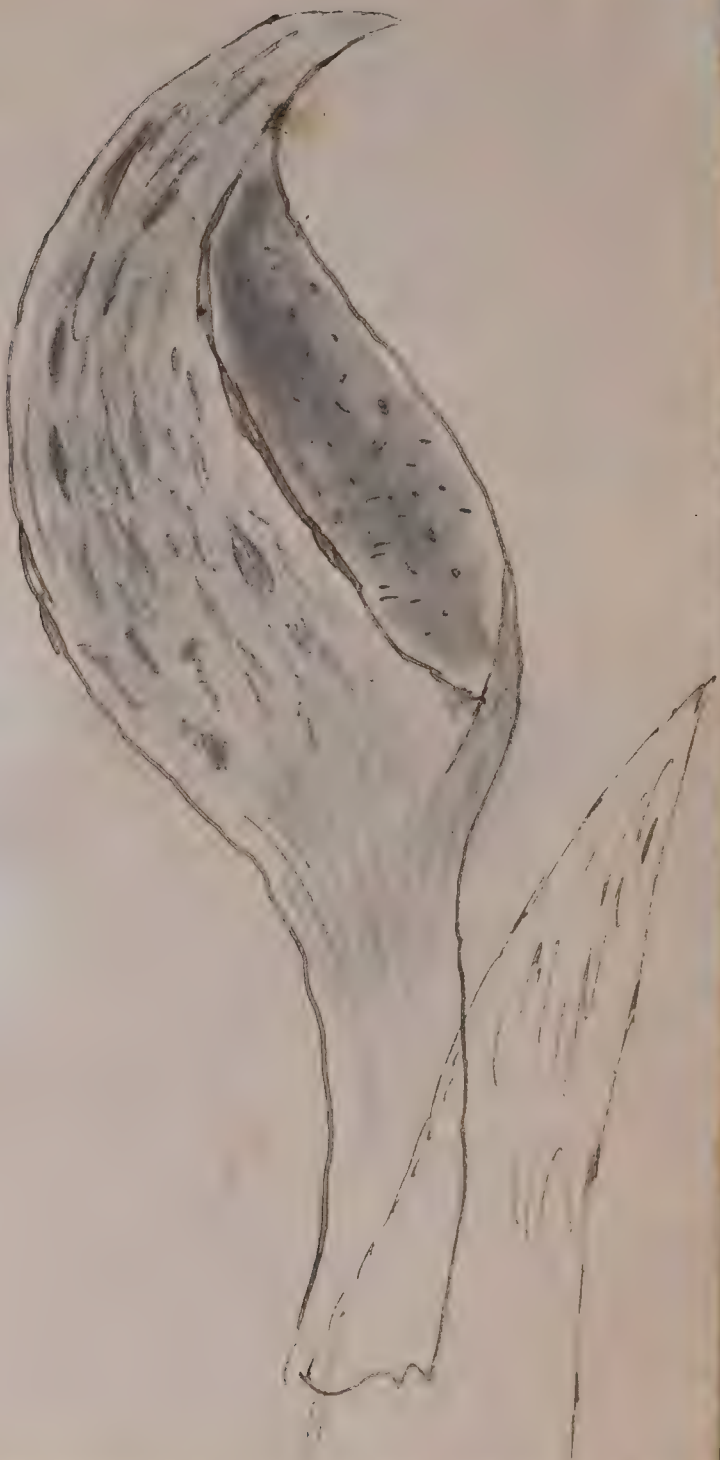
section of spadix (Nat size)

plan

sepal hooded, somewhat angular

stamens four

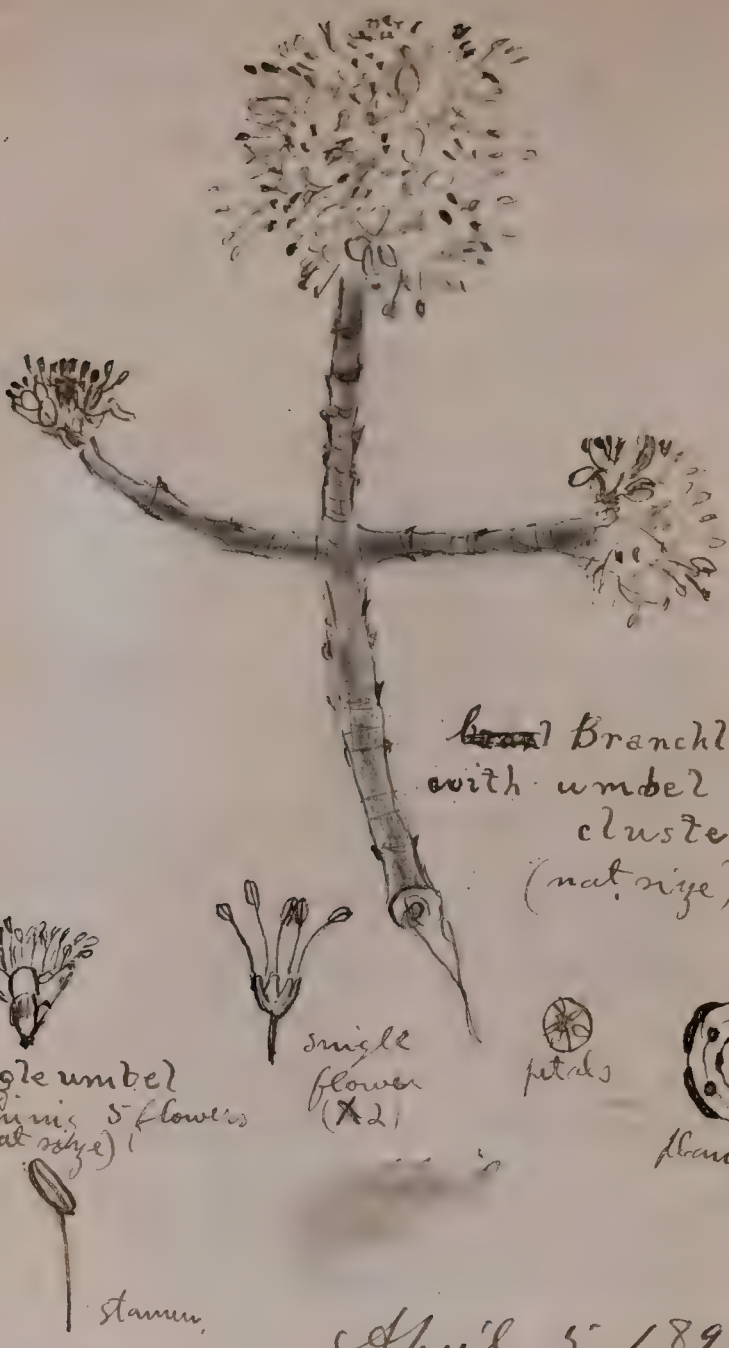
stamen opposite anther extrorse



Symplocarpus foetidus, Salisb.

Nat size

Acer [illegible]




April 5th 1893.

I collected flowers of above supposed to be Acer rubrum on 52nd St

woods. No. 1 This tree is in a spot about
100 feet N from the fire plug and
about 25 feet from the side walk.
not a very large one and a few
feet behind a young oak.
The flowers are a bright light
red. and evidently staminate
at least the pistil are not yet
developed yet. The petals are
small narrow and are folded
or lay over the center of the flower
calyx 4, 5, or 6 divided and half way.
sepals united of corolla
stamens as many as the sepals. usually
5. and opposite. fil, white.
anthers bright red. adnate
petals narrow, bending over the centre
of the flower (undeveloped?) and
alternate to the sta.
pistil and pistil undeveloped.
umbels containing about 5 flowers.

April 6th 1893

The sprigs of red maple which I
got yesterday in 52 nd st. woods
which for sake of brevity I
shall call N.S. I put into a
cup of water, and this evening
present a very fine appearance
in fact are almost beautiful.
The stamens are all well develop-
ed and stand out all around
around the clusters in nice
regular order. The anthers are
all white with pollen and
whiten the hand when the flowers
touch. I also notice that the
anthers are innate, the cells
opening toward the center of the
flower.

I found several more
red maples to-day, and in
all cases, noted that the flowers

tend toward being dioecious that is in regard to the power of ~~fertilization~~ cross fertilization Now those which I found yesterday (No 1.) were all stamenate and not even yet is there a sign of pistils, and I note that instead of an ovary there are a little green knob like processes. There is a little tree in the lot 454 market near the narrow ridge of rock in the center which are all staminate (No 2) also a good sized tree from which I got specimens on the west side of 464 Jones St swamp near where I found the Ranunculus. which has all staminate flowers with out a trace of pistil. No. 3 I found a fruiting form in one of the two big trees on the

east side (No 6) from which I got specimens. These contain two pistils and about 5 stamens but the stamens are small and evidently abortive. The petals in the pistillate forms are erect in nearly all the ones I examined and at first look one would think that there were twice as many divisions to the calyx. but it is only when the narrow petals are erect and alternate to the sepals and stamens.

There is also a young tree in the hill, from the spring near the fallen maple at Spring st. also pistillate (No. 3) I also got some more alder? There is another clump right on the other

side of the swamp.

No 6 Acer ——— on the side walk around the Cherry-Tree hotel. evidently pistilate. They have stamens but I think they are abortive.

No. 7 Acer ——— on the side walk. south side 46th on Walnut opposite to where I found the dead tree. I got specimens from the tree from the lower end. This looks like No. 6. flowers more sessile. the also habit of the more spreading.

No. 8. Acer ——— ?

A large spreading tree in the low ground at Chestnut & S. N. cor. The bark is very rough

If this tree and has been burned at the base by a fire. The flowers of this are ~~evidently~~ evidently perfect. and grow with pedicels 1 to 1 inch long in clusters of 2 to ten flowers. stamens 7. pistils 2. distinct from the others. Probably.

A. saccharinum. Wang.

---

April 9th 1893.

Reading R R Station 9th Sunday.

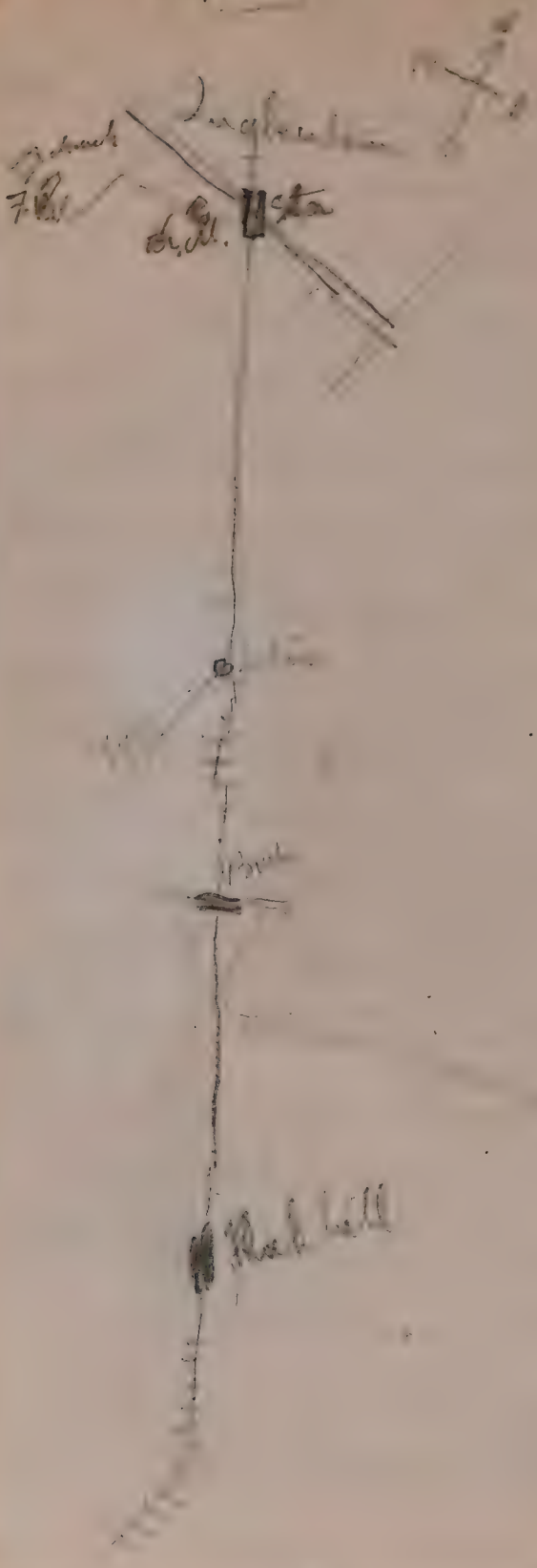
Bound for Rock Hill Park 50 Ft.

I took a stroll around the new station at 9th Spring garden and also through the round houses. the improvement are fine.

I decided to take the Buffalo express for Quakertown. would it only 3 miles further than

Rockville, and by the time the accommodation would start and reach there and having 30 minutes start on the express I thought I could get to R.H. some-besides having more chances of getting Helebores, Martindale collected specimens of Helleborus from Jonesboro.

Considering the ground at which the trains go by I can easily distinguish the Red maple and the difference of the stamens and pistillate ovals. The stem flowers are lighter in color whereas the pistillate are dark almost purple. The two halves of the morning went easily also.


Rock Hill

Rock-hill

2.0 P.M. 9/4/13

I am now at the top of Rock-hill. The view is fine. I have a bird's eye view of all the country around. On the horizon are chestnut hills. When I landed at Swatow I went with my P.M. for about [illegible] I must walk back through the principal [illegible] of the town. It is a great hill, [illegible] is a sober looking [illegible]

When I got back to the Gates I went to Dr. Talbot's with [illegible] and engaged [illegible] the neighborhood. He thought [illegible] a Dr. Whitney who

has a thorough knowledge
of the flora of Bucharia and
also has French & Babel
I went first to Dr. Hall's
but his daughter, a very
pretty Quaker maiden in-
formed me he was at friend
Meeting and would not
be home until noon. Then
I went to French Babel
She seems to be well known
(He is an invalid as the
afternoon I called on me)
I was fortunate enough to
find him at home, and
after self introductions we
had a very pleasant talk
Mr. Isaac Hall's home
was not found in
Iowa Springfield, although
he knows a man in the

town with cultivation a few plants. I suppose Mantinades must have gotten his plants up in garden. With promise to write again and go about our way with both him and Mr. Elliott I left.

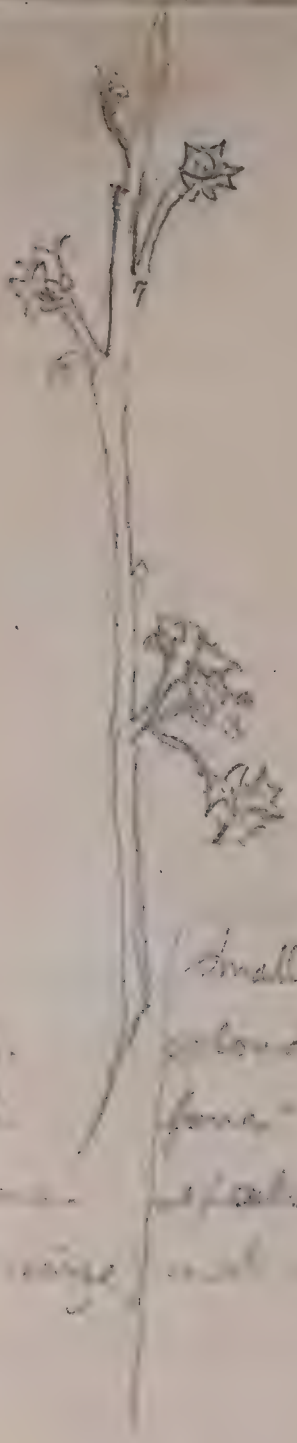
I had left my things at the Progressive Store at the station and on getting there found [illegible] had to [illegible] till along the road near. I did not notice anything of note until I got around [illegible] yards South of the Station and to the left of the path when I noticed in the water at the east side a Mammoth [illegible] with about one [illegible] there are many more.

[illegible]

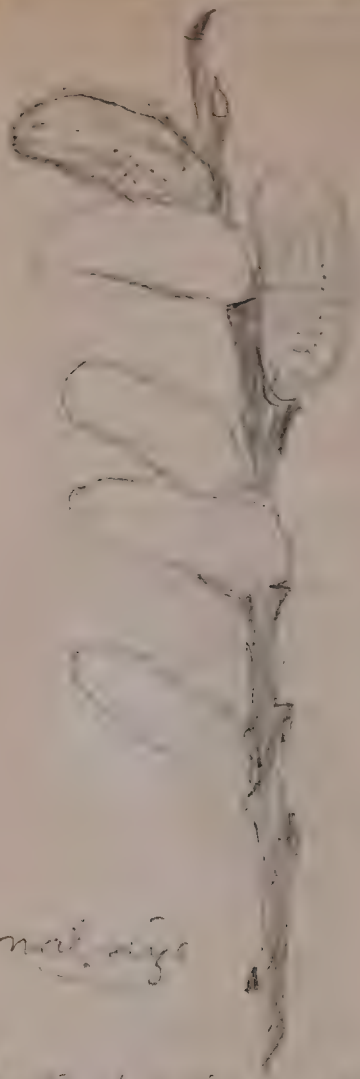
[illegible]

Expenses

| | |
|---|---|
| | 1. 5-1 |
| | 10 |
| | 05 |
| | F 1. 66 |



a flower enlarged,



Flowers in bud and full
view

Head of Salvia H.B. Kunth, bulk 4/8.03

April 10th 1893.

neighbourhood of Governm Gonacha

April 10-93

This eve. at the meeting of the Bot. section of the Academy of Nat. Sciences, I communicated my observations on the red maple, although Meehan had observed the same thing in a general way yet Prof. MacFarlane & Wilson have been making a special study of these trees of late. My observations coincided with theirs. This led to a discussion to a morphological and physiol development of flowers. We also discussed the White Poplar. I asked how it were that the flowers of the fertile form could get pollen when the sterile flowers were all gone. The staminate

catkins of the Populus alba are nearly all dropped off the trees while the pistillate catkins are not yet fully developed and it will be 3 or 4 days yet before the stigmas are in a receptive state. I have noticed this to be the case for several years past. Dr. Wilson also observed that staminate flowers were always in excess of pistillate flowers, Meehan says that in viburnum flowers precociously one year staminate flowers will be in excess while some have no flowers at all; the next season it is vice-versa. I have noticed this myself.

April 10th 1893

It is a well known fact that heat is a powerful factor in the development of plants both of the vegetable and animal kingdoms. As we approach the tropic regions we see this everywhere.

It has also a maturing effect. Not alone does heat have effect in monstrous or developing and nutritious growth, but it also draws out the scents, both agreeable and disagreeable. We notice this in the case of our flowering plants, that on warm days they are more fragrant especially if the day be warm and close and more so-

Toward eve on the close of

stronger, and the closer and more moist and warm the atmosphere becomes the ~~more~~ more is this fact confirmed. But we seldom note the scents that are drawn out of foliage, although they are as intense as the fragrance of flowers. It is common however. and if one notices. they will find it true that on warm days, foliage give off their own peculiar smells. I had a remarkable instance of this some time ago in the case of some exotic ferns which I had under cultivation. Ferns as a rule have no scents, but in the case which

I'll mention they were remarkable. There were two plants Adiatiasa trapeziforme a native of Brazil and Davalia Mooreana from Borneo. They were each in separate houses. In the case of the Adiantum when the day got warm it gave off a very disagreeable odor. smelling something like a negro, or as I described it to Mr Editor of Mechanicsville something between the smell of an African minister and a tomcat. As the house got closer ~~warmer~~ and evening approached, the odor got stronger so that it could be perceived when 20 or 25 feet from the plants. In the case of the Davalia which

was a large plant growing in a pan, the odor was of a pungent nature, and became more intense as evening approached. When any of the fronds brushed the face or hands in passing they smarted. and if one was severely, it was almost painful. One time one of the fronds struck me in the eye. and the tears and pain which it drew forth prevented me from seeing for several minutes.

These cases were remarkable, and more could be noticed if observed thoroughly. Allen gathered [illegible] a specimen on the 9th. 5.

Subscription to Home Brand
and Bed Linen.

April 15th 1873

If convenient Land Co
might send their representative
that I should not be
put to inconvenience for travelling
a distance of Watkins 14 or
15 miles. I would desire
them to inform me what Land
would sell for
Failing this the Committee of
Council will have power to
to purchase 50 for Invalids
and other Charges which
during Session I do not
I have just found Invoice
which was sent to you
[illegible]

Salix Ta. Pi. Linné p.p.
Saule [illegible]
Laurier bourgeau,
[illegible]

Take note Cotes of Corydalis
growing following Locations
Approaches by roads, at
end of [illegible]
[illegible] & Shafts
Stellaria media.
Specimens of Specimens

14/11/93

Ede Thursday Dr. Dement
Excursion [illegible]
Species for [illegible] and
collected 5 Specimens of
Pteridophytes for Table
After morning Tea. Prepared
them for drying by skin them
Stem and Roots taking the young
growth from the middle of the bud
this I done when drying by fold
the young leaves down and lay
the [illegible] on the folded leaves
[illegible]

of buds. I then stuffed the vacant space with cotton also placed cotton between all parts that come in contact. I then soaked the stalks well with alcohol, and wrapped the whole in cotton and blotting paper. So far I have changed the dryers along with the specimens twice a day. They are doing well and ought to make nice specimens.

Requisites for the Botanist and Entomologist while on the march.

1:— Money. This is an indispensable article and mainly used for conveyances, ferries etc.

2:— Provisions. This may consist of a good lunch of sandwiches

paste or extra side dishes can be dispensed with. It is surprising how delicious a couple of slices of bread and butter with a little cheese, is after tramping several miles in the country, washed down with a draught of water from a spring or wayside brook.

3:- Folio. for pressing plants. this to contain all necessary [illegible] with a few felt layers for stiffening.

4:- Vasculum. This is a tin box to hold plants fresh. It used to be used exclusively by botanists, but although the [illegible] is a handy thing for carrying [illegible] plants, I find the folio can not [illegible] often used to [illegible] books, trowel &c &c.

5:- Note-Book.
6:- Pocket Microscope.
7:- " Knife.
8:- Cotton. this is for packing round large flowers.
9:- Garden Trowel for digging up roots &c. for collecting.
10:- Manual of flora of the district.
11:- Chloroform. This can be carried in a small bottle. and is used to allay the excitement of nervous insects, and in many cases is powerful enough to put them to sleep for ever. The Chloroform is applied with a
12:- Camel hair Brush.
13:- Pins A small box of Klaeger's No 3. will do.
14:- Net this to be made of Mosquito netting

3/19/93

I notice that the flowers of Acer flowers under wood are very numerous. The staminate flowers are more numerous than the pistillate

Angus Buchan Co Ltd
The Headmaster
Hotel.
Mt Selwyn
Kaipara Waikol Angus P.O.
Pahia

Leaves for Wawa from
Leave [illegible]
Arrive [illegible]
Return 9.52 4.52 10.49
Leave Wawa
12.55 2.55
Arrive 1.46 7.30 3.33

Wawa. Del. Co.
April 23. 1872.

Plants in flower, collected ×
× Ranunculus Purshianus Hook
≡ Carex.
× Ranunculus Cymbalaria
Pursh
Viola pubescens Ait. Spicul
× Ranunculus acrolasius
Viola palmata L. Flaccidi
Ranunculus [illegible]
× Erythronium [illegible]

Carefully Examine

Cuba. Dec.
May 7. 1893

Sagittaria [illegible]

Cornus [illegible]

Lobelia [illegible]

Lobelia [illegible]

× Aster trichonemus L.

Carex

"

Sanicula [illegible]

Specimens collected 16. new to herb. 4.

Expenses. Expenses 7.11 Pba 1.33 Conf 0.

West Phila

Sat.

for full list of plants collected on this trip see page 57 of this note-book

Synonyms of Silene inflata Sm.

Cucubalus Behen L. 1753
Lychnis Behen Scop. 1760
Cucubalus venosus 1781
Behen vulgaris Moench 1794
Cucubalus inflatus Salisb. 1796
Silene Cucubalus Wib. 1799
Silene inflata Sm. 1801
as noted in the 12. Fl. Brit.
at
Lincoln S. 1893

French Creek Falls

Chester Co. Pa.

Sunday May [illegible]

Life Phila. [illegible]

Evening Ledger 3.32 [illegible]

Tea

Returned to office [illegible]

Kimberton

French creek falls 47

$1.77

Canteen magazine 35

10

222

French Creek Falls (cont.)

Sunday May 14. When we were up here last year about 22, we found Allionia nyctaginea. But it had just gone out of flower. This is a rare species. So I planned to come up a little earlier this year and try and find it. Chas. Flagg who was with me to visit Cuba last week decided not to go to Pond with me when asked him so I went alone. The R.R. does not run right through although the conductor on the D. R. G. R. R. said that they would do so in a few days. Arriving at my destination I proceeded down the R.R. and up to the [illegible] of mine, where I got [illegible] very fine material.

from an old man working there "there I went to the camp where we camped last year and had my dinner. After dinner I commenced to search for the Blematis. I search among the rocks for over two hours but was unsuccessful, however I found several new ones which I have not yet analyzed about 2. P.M. I gave it up and was coming down to the R.R. when I come rather close on some dwelling houses, and having an abhorrence for all observations by curious villagers I started to go further up the rocks when I almost stumbled on a plant of Blematis which

bloom there were any amount of them and just as they were coming out of the rocks I aimed plenty of specimens and felt my desired subject. The spot where I found it is right above the hotel or such like building at the end of the barracks where the colored laborers live, along a cart track.

I should think about 100 yards or so up the hill from the hotel. From there along the cart track toward the dwellings. Then came down and borrowed the wheel and

collected flowers of Bere
Barnstaple also a little
about 3 miles off I brought
the shoots [illegible]
[illegible] for them to [illegible]
[illegible] with a little of [illegible]
round it the ends of which I
wrote to prevent [illegible]
Plants collected

× Blennosperma nanum
× Limnanthes
× Damasonium

For full list of
French weed
plants see page 57

Collected [illegible] 19 species
of which 5 are new

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Hesculus ——— ?

May 12

Northam, Instead of N. [illegible]

Transcription of
Correspondence
on the Delaware

Crab Trip.
Sat. May 20 1893

For revised list of
Specimens collected at
this time see
page 56 of this
note book

Flora of Trijuma Island,
Valley
Fragilis

---

× Ranunculus sylvaticus
× Cerastium semidecandrum
× Z. " glutinosa
Viola canina
Cornus sericea
× Crantzia aquatica
Epilobium latifolium
Myrtus communis
× Acorus calamus
Alnus serrulata
Pinus echinata

May 27. 1877 32

Last Saturday we went down to Lewistown Valley. The train from 21st & Chestnut at 12.40. We had tickets for Easton, but we found on arriving there that we would have to take another train if we had went to the next station viz. Bowmanstown. However the distance was only a short one and we soon reached the long wished for boats. The boatmen at the towing here said that the water was all right for rowing and that it would not be a dangerous place to collect flowers

So we botanized along the shore, Allens, Leeds, Crawford and I went down as far as Scouts creek, and found R. Cymbalaria and Ranunculus aquatilis var. both the glabrous and the pubescent forms. Both of Ranunculus abounds in the creek below a Valerianella, ~~Leeds~~ Yews not identified yet, and Elms.

[illegible] was very anxious to get a root and requested also the [illegible]

to go to Millars, the boat
we had left. so we
returned then this time along
the R.R. on crossing the meadows
meadows. we found Viola
lanceolata, also a Carex.
At Millars we found that
the rest of the party had gone
home and Broadhead
said he would go home
to, as sat, we were busy
ever. The boat we procured
was a flat-bottom.
I was at the oars. On
getting out into the stream
the incoming tide caught
us, and gives us some
work pulling against it
towards the island. We
found the Pennsylvania side

very swampy and little or no landings. We rowed up a narrow channel and made a landing at a clump of Willows, but we found we were entirely surrounded with water. Reembarking we rowed to the other side and landed there. We explored the Island for about a mile It is mostly covered with species of Salix and other low trees. walking was very fatiguing on account of the deep mire at every step we sink to the knees. It was like walking through two feet of snow which was frozen on top. Returning to the boat we pushed

We rowed out to the
Lord Gough, of the American
line which has been
quarantined for 6 days.
We rowed around the boat
talking to the passengers.
Then crossing the mouth
of the Poland river we met
several times. Finally by dint
of shoving we made our
way through the mud and
reeds to firmer
footing. Dick
[illegible] shirt sleeves [illegible]
[illegible] rolled up, [illegible]
formed down inside his
clothes. [illegible]
[illegible]
[illegible] shivering badly.
We had drinks of [illegible]

water ~~was~~ with crackers which revived our hungry stomachs and after a brief rest over the county & took to the 7.20 P.M. train for the City, arriving about 7.

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# Club Trip to Vicinity of NOCKAMIXON.

MAY 2[illegible] to [illegible] 30

Party [illegible] by Dr. Bird
[illegible] Jobs, Shirley [illegible]
[illegible] to [illegible] Holland [illegible]

May 27. 93

Holland

1 Nasturtium armoracia Fries.
Nasmyth Charlottesville Va.

2 Phlox reptans L

3 Hesperis tristis L

4 Cerastium arvense

We left Grand
St. station at 4.05 P.M.
the first stop was at
Jamestown junction. From
here up to Bristol the road
is just the same as on
the way. When I wrote the
train was delayed for
two hours and I had
a good view of the river
as we were waiting on the
Bristol side at which
the Dorset family are build-
ing. Below Bristol on

extensive swamps, but I did not notice any larger ones to the north of the town where I supposed the best ones were. We pulled up at Trenton the next stop on time, It is a very smokey place and has an uninviting appearance. There we changed trains. From here up to Frenchtown the railroad runs between the Delaware and Raritan canal and the River Delaware The river is more or less shallow, and the current is strong, It is studded here and there with many wooded islands.

About 15 miles from Trenton we began to enter [illegible] foot hills, from the [illegible]

side the hills rise in nicely rounded curves to the summits. There are many fine quarries along here; although the stone is not so much a building stone as it is for paving blocks, coping etc. The rock is of a purple color, and in some places red, and is commingled and slopes at an angle of about 20° to the north. The main courses of the canal seem to be in conformity with this stone. The canal ends at Fund town. From about Tumble station with the hills there are many precipitous or nearly perpendicular cliffs to the

perpendicular cliffs to the
height of 200 feet.
In due time we arrived
at Holland station.
Crawford had sent a
young fellow to watch for
us and ferry us across
the river. On going down
to the river we found Mr.
Hutchins & family in a com-
fortable & comfortable log
cabin, & as quite a town
until afforded by the ferry
though a good - sized town
shewn by a variety of the small
wooden frame houses
wooden edge. The boats are
peculiar shaped flat bottom
each sent over with two men
and one with steam with
a point for the current with
wind. They are fastened
very nicely, and it would
not take much to upset

them. The natives on starting struck clear up stream. This purpose could be seen as the swift current caught us and forced us down stream. The boats move very easy through the water, steering easily. We were cautioned to the hold. Before going in I looked around and found some interesting things at the back of the hotel. We had an very nice supper. The rocks are about 2 or 3 feet below the surface in a few places at present for about 150 feet. Crawford was up a second time. (He could not hear that morning) and (

has formed many new
things, among others
Boat navigation. There
is a canal between that
here, & on the Delaware
and Bristol canal. From
through that canal, coal
from the coal regions is
brought. It first comes
down the Lehigh navig-
ation canal to Easton
where it enters the
the Delaware and Bristol
at Bristol & goes down
in the river.
Such it is delightful
to take a boat from
Philadelphia & in a few
& in one sail to many
& interesting points. Such
towns. Say the way it
is called the [illegible]

Geranium
Robertianum. Ranunculus acris.
Lonicera Caprifolium.

Nannowsville

Sunday May 28. 93

1 Lonicera glauca. Hill 1 ½
2 Geranium Robertianum 2. 1 ½
3 Ranunculus recurvatus Poir
8 Acer dasycarpum, Ehrh 1
9 Carex varia /
10 " — /

| | | | |
|---|---|---|---|
| 11 | " | tota | / |
| 12 | " | varotaris | / |
| 13 | Woodsia ilvensis | W | / |
| 14 | Osmunda cinnamomea | L W | |
| 15 | Cystopteris bulbifera | Bmh | 1 |
| 16 | " | fragilis | 1 / |
| 17 | Sedum Rhodiola. | L G. W | / |
| 18 | Carex Glaucodea. | | / |
| 19 | Asphodea trifida. | W | / |
| 20 | Eriophorum gracile | W | / |
| 21 | Carex longirostris | | / |
| 22 | " | pubescens | / |
| 23 | Osmunda Claytoniana. | W | / |
| 24 | Crocea Struthiopteris | | / |
| 25 | Vitis riparia | W. | / |
| 26 | Lambucca racemosa | W | / |
| 27 | Lemna arrhiza. | Va obsolete | R / |
| 28 | Prunus serotina. | W | / |
| 29 | Lepidium campestre | | / |
| 30 | Krigia ~~amplexicaule~~ | Virginica. W | / |
| 31 | Commandra umbellata | | / |
| 32 | Quercus palustris | | / |

Nocksamixon (Continued)

Newswold hotel May 23 [illegible]

Well we have had a most delightful day. In the forenoon we went completely over the hills. We started up the ravine west of the hotel and by a grassy path reached the hill almost over the top of the hotel, so much so that we could see down the chimneys for about 2 feet. We had many magnificent views. In descending to one o'clock we came down one of the most beautiful and romantic ravine that I have ever seen. The strata of the rock is perpendicular, but in one place where the water leaped over the rock was forced by the [illegible] The peculiarity of this

rock was that there were 3 distinctly large and massive slabs. They were about 25 to 30 feet across each. Between each slab there was a black rock and underneath all the rock sloped inward and formed a beautiful recess, where moss and ferns grew.

Along the cliffs near here we found Rhodora

33 Carex rosea
34 " polytrichoides
35 "
36 " Grisea
37 Marianthemum Canadense IR
38 Silene antirrhina
39 Crataegus tomentosa
40 Arabis laevigata
41 Castilleja coccinea IR

42 | Phlox, pilosa L. R.
43 | 2 " " Vaialba
44 | Viola Canadensis, 1
45 | Cassia marilandica N

have stayed over decoration
day at Harrisville, but
I had promised to go up
to Westminster to the
Magee's Ball.

So after dinner Dorothy
with the Sandlock car
crossed the river and took
the 1.20 train for Boston.
I must stop now as it
makes me ill to sit up
writing and I have my letters
to get to Boston.

Everyone seems to be

46 Orchis spectabilis
47 Chelidonium majus
48 Equisetum limosum
49 Iris versicolor
50 Carex stipeta
51 Arenaria serpyllifolia
52 Erigeron Philadelphicum
53 " Bellidifolium
54 Pinus virgo
55 Scirpus planifolius
56 Lycopus communis
57 Thalictrum ?
58 Veronica peregrina
59 Tsuga Canadensis
60 Pellaea atropurpurea
61 Morus rubra

continued on page 56

continued on page 56.

Cedar Brook. N. J.
June 4th 1893.

Dr. Brinton, Miller.
Mem. Indians. Fox. Schmidt
Kinsley, Mrs. Elwell.

Cedar Brook N. J.

June 4. 1843.

1 Pinus mitis
2 Juncus. ilicifolia
3 " Pinios
4 " alba
5 " rubra
6 Chamaecyparis sphaeroidea. Spach
7 Sarracenia purpurea
8 Betula populifolia.
9 Popaver grandidentata
10 Kalmia latifolia L
11 " angustifolia. L
12 Pyrola chlorantha ?
13 Andromeda
14 Robinia hispida L
15 Euphorbia Cyparissias L
16 Hudsonia ericoides L
17 Gaylussacia frondosus DC.
18 Hex verticillata Gray.
19 Rubus
20 Crataegus parvifolia Ait.

21 Rhigia Virginica Willd
22 Leucothoe racemosa Gray.
23 Rhus cotinoides Nutt.
24 Leiophyllum buxifolium Ell
25 Myrica cerifera L.
26 Cypripedium acaule Ait.
27 Xerophyllum setifolium Michx
28 Helianthemum corymbosum?
29 Pyxidanthera barbulata Mx.
30 Euphorbia Ipecacuanhae L
31 Lupinus perennis L

Total collected 31 specimens.

Knight pt. 26

Battle Grounds
near Salt Works
Germantown Road, PHILA.
1st June 11th 1863

Shell, canister
Collected

Sail to Gray's Ferry

Arizona on the lowest side
of the [illegible] land

2 Quercus agrifolia L.

[illegible]

[illegible]

2 [illegible] 5-10 high [illegible]
[illegible] not over
about 10'

3 Salix [illegible]

along [illegible]

4 Ranunculus californicus L.
damp and wet places

5 Morus rubra L

[illegible]

west end of Long Island.
I also collected flowers from
these trees June 5th 1894.
6 Euonymus atropurpureus, Jacq.
In front of farm house
about 474 Pine Sts. I noticed
this in fruit last fall and
it was very pretty.
7 Alnus serrulata Willd.
Also in the leaves
and fruit (1) of the shrub
from which I collected
the early in May.
8 Betula lutea L.
This has great aborn
flowers, but no fruit
yet nicely.
9 Betula nana L.
on the Plains by
10 Hammonds Landing, L.

11
12
13
14
15
16
17

Rock hill, Bucks Co Pa
June 18th 1892

Firemen's Association
Cont, near Jenkintown, hands
present to the Judge
Dr — Brunton Allen. Mrs
Jacobs. Mrs Schneider
John Goldsmith Laubach
MacElroy.

I wrote yesterday to Mr
Frank Bold for another
enclosed Dr Millows postal
card to me to him at
Quakertown. When I
met him there last April
he said that any time when
we were commencing, if he
should be then disengaged
he would be there to meeting.

1 Hamamelis Virginica
2 Ulmus Americana.
3 [illegible] grandidentata.
4 Fraxinus nesca
5 Salix lucida ?
6 Ceanothus Americanus L
7 Rubus odoratus L
8 Botrychium lanceolatum Ang.
9 Carex tenuiflora Wahl.
10 " debilis.
11 " ——————
12 Asclepias quadrifolia
13 Uvularia drummondes.
14 Physocarpus opulifolius
15 Galium boreale L.
16 Rosa ——
17 Veronica scutellata.
18 Osmunda Virginica Wild.
19 Typha angustifolia
20 Pentstemon laevigatus
21 Aplectrum hiemale
22 Ranunculus rhizophylla.

Total Collected 22

24

Acer

Planks

June 24th

Cold Creek

William Grove PA

Egg Harbour Bay N.J.

Sept 4 by Lt Wm Hy

Vabenaria blephariglottis var.
" cristata. I. Torrey.

Forta Smith?

*Xyris fimbriata*, Vell.

West Conshohocken Pa
Sunday July 30th

1 Polymnia Uvedalia L.
2 Galia —
3 Comptosorus rhizophyllus
4 Adiantum pedatum
5 Woodwardia pubescens
6 Juglans cinerea L
7 " nigra L.
9 Dicksonia pilosiuscula
9 Aspidium —
10 Catalpa bignonioides. in fruit.
11 Mentha
12 Sagittaria sterilis

August 5. 1793 Tullytown to Bristol. Pa. from to Bristol X. C.

1 Spilobium coloratum Mühl.
2 Lycopus sinuatus. Ell.

3 Sabbatia gracilis. Salisb.
4 Ammicus virgens. Lin.
5 Helonias ? Obliqua. Ait. ?
6 Xyris. species.
7 Rhexia Virginica. L.
8 Polygala fastigiata. Nutt.
9 Linum Virginianum L. ?
10 Rhynchospora cephalantha ? Ives.
11 Lobelia Nuttallii. Roem & Schult.
12 Osmunda cinamonea ?
13 Amphicarpaea fulva. Nutt.
14 Cyperus Lancastrensis Porter ?
15 Scirpus ? ——
16 Spatiola aurea Mubl.
17 Hydrocotyle umbellata L.
18 Sagittaria graminea Michx.
19 Iris versicolor. in fruit.
20 Salix —— thick leaved.
21 Rhynchospora fluctuans Roth ?
22 Habenaria polygamum Ait.
23 Salix glauca ?
24 Rubus villosus Ait.
25 Osmunda claytoniana L.
26 Leonurus cardiaca. Jus.

Specimens 13 — Plate sheet 26.

Florence to Cedar Brook
N. J. Sunday August 20. 93

1 Hypericum Canadensis.
2 Proserpinaca palustris
3 Juncus bufonius
4 Scirpus —
5 "
6 Eupatorium hyssopifolium
7 Heracium Gronovii
8 Xerophyllum setifolium. in fruit
9 Eriophorum cyperinum
10 Rhynchospora alba
11 Bartonia tenella
12 Dulichium spathaceum
13 Habenaria blephariglottis
14 Quercus ilicifolia
15 Lobelia N. Mollis
16 Lachnanthes tinctoria
17 Elodes campanulata
18 Euphorbia cyparissias
19 " maculata

20 Monarda punctata L
21 Ambrosia artemisiifolia L.
22 Hypericum nudicaule Walt.
23 Erioculon decumbens L
24 Pteris aquilina L
25 Sabbatia lanceolata T & G.
26 Hypericum prolificum L
27 Aspidium Noveboracense Swartz
28 Asclepias obtusifolia Michx
29 " tuberosa
30 Spiraea salicifolia L
31 Nymphaea odorata Ait
32 Decodon verticillatus Ell
33 Rhus copalina, L
34 Coreopsis rosea, Nutt
35 Rhexia Mariana L.
36 Salium trifforum Michx.
37 Juncus acuminatus Michx
38 Gratiola aurea. Muhl.
39 Drosera intermedia Hayne Votumen
40 Xyris flexuosa Muhl.

Species collected 40

Kaighn's point, Camden
N. Jersey. Sat Afternoon Aug 19. 93

1 Lycopus rassilifolius ?
2 Mentha arvensis L.
3 Teucrium Canadense L.
4 Stachys aspera Michx
5 Sonchus arvensis L
6 Hibiscus Moscheutos L.
7 Panicum cms galli
8 "
9 Euphorbia maculata
10 Cornus sericea L

Specimens collected 10

August 29. 93

One evening last week while at work in my room analyzing plants, an insect landed somewhere about the window and began to chirp. It sounded like Tsvit —— tsvit —— t-t-t-t. The first two or three slow ~~and~~ then three or so in rapid succession. I hunted and at last found the rear end of a worm on one of the shutter slats. and seizing this I found my songster was a large green leaf like katydid.

I placed him under a tumbler, raising one end to give him air. After jumping around excitedly in his vain attempt to escape, he apparently came

to the conclusion that his efforts were useless, he quietly sat down and began licking his fore leg and brushing it over his face much the same as a cat does when we say "it is washing its face". Every once in a while it would turn back suddenly and bite, chew, or lick the middle or hinder leg as if something were irritating the member. The whole action being just like what a dog would do when troubled with fleas. His whole behavior was so droll and curious, being an insult as to be really amusing. After a while he seemed

to be all "fixed up" Then he commenced to chirp and as he seemed to be resigned as it were I let him out. He hopped around ~~too~~ here and there chirping as he went, seeming never to be satisfied in one place. The last I seen of him was sitting ~~at~~ the head of the bed. When I put the lamp out, I suppose that, like the moths the greater light of the moon tempted him abroad to join his fellows.

Rockhamixon Pa.

Catalogue of PLANTS.

Collected (continued from page 42.

62 Carya alba
63 Salix ——— /
64 " ——— /
65 Acer spicatum
66 Smilax herbacea
67 Equisetum hyemale
68 Chaerophyllum procumbens
69 Carex virida
70 Viola rostrata
71 Fraxinus quadrangulata /
72 Betula nigra /

Specimens new to my herbarium 5.0

Total collected 72

Juniata Del Co Pa
May 20 1893
List of plants collected

Continued from page 31

For account of trip see pages 31 to 35 This note book.

1 Acer pseudo-platanus
2 Potentilla Canadensis L
3 Fimbristylis —— 2
4 Crataegus coccinea ?
5 " " coccinea corymbosum.
6 Ranunculus septentrionalis?
7 Myosotis verna Nutt
8 Veronica peregrina L
9 Viola lanceolata L
10 " sagittata. Ait
11 Carex scabrata. Schw.
12 Salix fragilis L
13 " lucida L
14 " alba L
15 " " var vitellina
16 Galtha palustris L
17 Epilobium Hirsutum
18 Lithospermum arvense
19 Galium triflorum Michx Sherardia fodiens L
Potentilla Canadensis L
Ranunculus septentrionalis?
Veronica peregrina L
Viola lanceolata L
Carex scabrata. Schw.
Salix fragilis L
Galtha palustris L
Epilobium Hirsutum
Lithospermum arvense

List

West Phila. May 13. 1893

Continued from page 27.

1 Liquidamber styraciflua L.
2 Carya alba Nutt.?
3 Fagus ferruginea Ait
4 Viola lanceolata. Ait. ? leaves very woolly
5 Ribes floridum L'Her
6 Pyrus coronaria L.
7 Barbara vulgaris R. Br.
8 Celtis occidentalis. L.
9 Platanus occidentalis L
10 Quercus coccinea Wang.
11 " " falcata Michx?
12 " " alba. L.
13 " Phellos L

Total specimens collected. 13

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French Creek Pa Rs.

May 14. 1893.

Catalogue of plants collected

continued from page 28–30

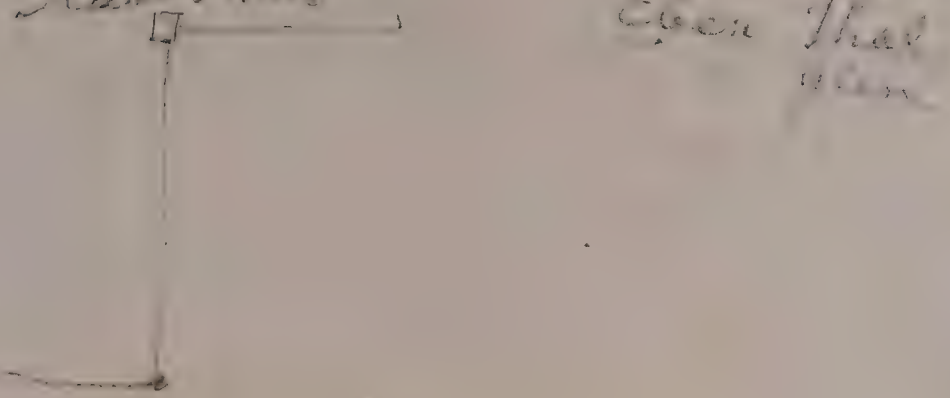
1 Clematis verticillaris DC.
2 Staphylea trifoliata L.
3 Salix. ——— ?
4 Hamamelis Virginica L.
5 Taraxacum officinale Weber
6 Obolaria Virginica L.
7 Scirpus planifolius
8 Carex ?
9 Juglans nigra L.
10 ——— Fraxinus
11 Betula lenta L.
12 ——— Fraxinus?
13 Cercis Canadensis L.
14. Populus alba L.

Total collected. 14

D. S. Freeman
1015 Elm St
Oakland, Cal
engraved on St.
Wm. Jones
Sm. Tuthill Engraving.

Mrs. S. M. Fifer.
Parkland Hgts.

E. J. Bode
29 Beaconsfield
Parkland Hgts


Reeds Mill
Eden Mar

Started with $1.30
Received from Chapman 40.40
May 27 $41.70
Gave Jennie to light house 35.00
Ferriage to Chapmans .10
" Broadus .08
Ledgers. .05
" .04
1 fare to Holland 2.84 2.84
ferry to Narrowsville .10
" Holland. .05
carfare home .05

3.31

board for 2 days. 2.50

5.81

130
15.00
1630
5.81
10.49
.40

Chas S. Fliegel

2435 W. Huntingdon St

Elmer Cole

2318 N. 29th St.

ACADEMY
NAT. SCI.
PHILA.
MS. 56 #15

Coll. 36
(4) a